

# FOLIO

THE UNIVERSITY OF ALBERTA STAFF BULLETIN

EDMONTON, ALBERTA

19 OCTOBER 1978

## ENROLMENTS DECREASE

At the meeting of the Board of Governors on Friday, 6 October, M. Horowitz, Vice-President (Academic), presented a preliminary and informal report on the enrolment statistics for the new academic year. According to Dr. Horowitz, it is anticipated at present that enrolments at the University may drop by as much as four percent from last year's figure. No certain enrolment figures, however, will be available until December.

By the end of registration in September, several Faculties had experienced significant decreases in enrolments. The Faculty of Agriculture and Forestry has, at the last count, 13 percent fewer students and, like the Faculty of Physical Education and Recreation which has suffered a drop of approximately 10 percent, has not applied the quotas that were established in 1977-78.

The Faculty of Education so far has experienced the second worst decrease in overall enrolments with a drop of about twelve percent. Dr. Horowitz noted, however, that, from 1975-76 to 1978-79, first year enrolments in Education have decreased by approximately forty-five percent, and that student participation in the post-degree program has suffered an alarming sixty percent decrease. The "dramatic decreases" in the Faculty of Education, according to Dr. Horowitz, may well mean that, by 1982-83, there will be a shortfall in the number of certifiable teachers available, especially in the essential areas of special education. In the foreseeable future, Dr. Horowitz stated, there is unlikely to be any need for the establishment of quotas in the Faculty of Education.

While these figures appear to be rather gloomy, with the Faculté St-Jean also experiencing a ten percent decrease in enrolments, Dr. Horowitz did point to one encouraging statistic. The Faculty of Arts, one of the larger Faculties at this University, appears to have achieved a modest increase in its overall enrolment figures in September—approximately three percent.

On learning that most "Quota Faculties" have maintained their enrolments at the 1977-78 level, the members of the Board of Governors agreed that a review should be made of the number of applications for admission to these Faculties, to discover

whether or not the rate of rejections had increased. Finally, it was observed that the University of Alberta now appears to receive a smaller percentage of high school matriculants than it has in previous years.

The members of the Board received the information with their accustomed fortitude.

## PERSPECTIVE ON WOMEN IN EASTERN EUROPE

Marxist theory holds that women should have full equality with men, comparing the "bondage" of women with that of the working class in general. However, principles and practice frequently are different matters.

On Thursday, Friday, and Saturday, 26, 27, and 28 October, the Conference on Women in Eastern Europe and the Soviet Union will explore the relationships between Marxism and feminism in theory, and will go on to look at the two in practice in these countries. Women and men from across Canada and the United States, from the Soviet Union, Hungary, Poland, and Yugoslavia, from the United Kingdom and the Netherlands, scholars in history, sociology, political science, comparative literature, business administration, and family studies, will be presenting papers on such topics as:

- the relationship between feminism and Marxism;
- the rise of women's movements in Eastern Europe and the Soviet Union;
- women in the literature of these countries;
- women during and after the Revolution of 1917;
- women in politics in Eastern Europe, the USSR, and Canada;
- women's role in family and child care in Eastern Europe, the Soviet Union, and Canada;
- women in the labor force in Eastern Europe, the USSR, and Canada;
- demographic factors relating to women in Eastern Europe and the Soviet Union.

The conference will be of interest to all who are concerned with the status of women in Canada and elsewhere in the world, whether from a historical or current perspective.

The conference will begin with an open session on Marxism and feminism at 7:30 p.m. on Thursday, 26 October, in 231A Law Centre; papers will be presented at that session by Alena Heitlinger, of the Department

of Sociology at Trent University, and Alix Holt of the University of Birmingham, England. Conference sessions will continue from 8:30 a.m. to 5 p.m. on Friday and Saturday.

A banquet will be held on Friday evening, 27 October, at the Faculty Club. The guest speaker will be Naomi Griffiths of Carleton University, author of *Penelope's Web* and one of the founders of the Canadian Research Institute for the Advancement of Women; the topic of her address will be "Women's History: Discipline or Indulgence?"

The conference is open to all who are interested. The conference fee is \$25, with a student registration fee of \$5; a special fee may be possible for individuals who are able to attend only one day. Cost for the banquet (\$10) will be separate, and the banquet will not be restricted to conference participants.

The conference is being sponsored by the University's Division of Eastern European Studies, the Central and East European Studies Society of Alberta (CEESEA), and the Academic Women's Association of Alberta. Funding has come from the Humanities and Social Sciences Research Council of Canada, the University's Conference Fund Committee, the Vice-President (Academic) of the University, and CEESEA.

For additional information concerning the conference program and registration, contact Conference Chairman Tova Yedlin, Division of East European Studies, 300 Athabasca Hall, telephone 432-3231.

## CORRECTION— OR, WHERE'S THE ORGAN IN CONVOCATION HALL?

On page eight in the 5 October issue of *Folio*, an archival photograph of Convocation Hall was printed, bearing the caption, "The first opening of Convocation Hall on Armistice Day, 1925." The photograph was intended to accompany a brief account of the reopening of the renovated Convocation Hall and the inaugural concert on the rebuilt Memorial Organ.

Astute observers will have noted that there is no organ in the photograph, and, further, that Convocation Hall was in existence long before 1925. One astute observer, who was on staff in the early 1920s, doubts that the occasion was Armistice Day, since he

recalls how the stage was decorated for Armistice Day ceremonies. He suggests that the occasion may have been a convocation featuring the special unveiling of the F.H. Varley portrait of the first Chancellor, Mr. Justice Stuart.

Since the organ is not in place, the photograph must have been taken before the summer of 1925, when it was built (the dedication of the Memorial Organ was indeed on Armistice Day, 1925). Our informant recalls meeting Varley, who had set up a temporary studio in the old Senate Chambers in the Arts Building to paint Chancellor Stuart's portrait; he estimates that the portrait would have been completed sometime between the fall of 1923 and the summer of 1925.

A quick call to the University Archives determined that the photograph was in fact taken before Convocation, 1924, when the portrait was presented to the University. With appropriate gratitude to the efficiency of the Archives, however, it was a little more fun tracking the origins of the photograph with clues from the long memory of our astute observer.

## TO ADVANCE THE QUALITY OF JUSTICE

When the Canadian Institute for the Administration of Justice was established in 1974, it was with the general objective of fostering the improvement of the administration of justice across Canada, with programs of research and education, conferences on subjects pertinent to the judiciary, and special seminars, including seminars for newly appointed judges.

The conferences and seminars sponsored by

the Institute are organized to meet needs perceived by judicial and related groups and by the Institute's Board of Directors, who represent both Bench and Bar, the governments, the academic world, and the general public.

The Conference on Expeditious Justice, being held this week in Edmonton, sponsored jointly by the Institute and the University, will treat the problem of the "caseload crisis" in Canadian courts, and the difficulties created by the increased delay between the commencement of legal proceedings and the adjudication, for both criminal and civil cases. Although the Conference's main focus is on finding practical solutions for existing problems, the time element involved in legal proceedings will also be discussed in the broader context of societal values that underlie the system of justice in Canada. The major theme paper for the Conference, "The Limits of Expeditious Justice," has been prepared by Shimon Shetreet, Professor of Law at Hebrew University of Jerusalem and an expert in judicial administration. Other background papers for the conference have also been prepared on "Civil Pre-Trial Procedure," "Efficient Criminal Procedure," and "Achieving Efficient Court Management": all topics concerned with ways and means and ramifications of expediting the judicial process.

During the week following the Conference on Expeditious Justice, the Institute will be co-sponsoring a Conference on the Quality of Legal Services, in Ottawa. This conference, which will consider the role the legal profession should play to ensure the competence of its members, is a joint project of the Institute, the Federation of Law Societies of Canada, and the Canadian Bar Association.

Earlier this year the Institute co-sponsored another Conference, the Conference on Administrative Justice, with the Common Law Students' Society of the Ottawa Law School.

According to the Executive Director of the Institute, H.J. Lyndon Irwin, Professor of Law at this University, organizing conferences such as these is vital to the educational and research roles of the Institute. Another important educational task of the Institute is the organization of seminars for judges, annually for new federally appointed judges, in cooperation with the Canadian Judicial Council, and on request from groups of judges in various regions or provinces. The topics discussed at such seminars range across all aspects of the judges' function.

The Institute is strongly involved in research as well, with one of its most important tasks being a study of the Alberta judiciary, which Professor Irwin hopes will

contribute to the understanding of the role and position of the judiciary in Canada.

The study, funded by the Law Foundation of Alberta, will entail an analysis of the concept of the judicial function, as derived from interviews and the decisions of Alberta judges at all levels; the judicial background, including the selection process and considerations in appointing judges; standards of judicial conduct; and the machinery of justice—the structure of the courts, court administration, and the like. Gerald Gall, Associate Professor of Law and Associate Director of the Institute, and Professor Irwin are principal researchers for the project, and Shimon Shetreet, who conducted a similar study of the judiciary in England and subsequently wrote *Judges on Trial* (Amsterdam, 1976), will be serving as a special consultant.

The Institute is also involved in a study of the role of the Chief Justice in Canada, in cooperation with the International Institute of Comparative Criminology.

The areas of research in which the Institute's Board of Directors has expressed interest includes the courts, the judiciary, court administration, evidence, civil procedure, judicial process, administrative process, the jury, the legal profession, law offices of the crown, the courts and the public, and the courts and the press. From time to time the Institute appoints research fellows in these or other areas that may be found appropriate.

The Canadian Institute for the Administration of Justice moved from its previous York University location to its new quarters in the Law Faculty at the University of Alberta this summer; it will remain here for at least the next three years. Because of the national nature of the Institute, Professor Irwin can envisage its moving from one university centre to others over the years, rather than remaining stolidly in one location and narrowing its focus on the judiciary in only one part of the country.

## BRIEF TO THE GRANTHAM TASK FORCE ON STUDENT COSTS

*The following brief (as amended on 8 September) was submitted by the University's Board of Governors to the provincial government's Task Force to Review Students' Contributions to the Costs of Post-Secondary Education, chaired by R.E. Grantham.*

### Preamble

The Task Force has raised a number of basic questions relating to post-secondary education and student contributions to its costs. We deal here only with those questions on which we feel we have sound information and a clear University of Alberta position.

# FOLIO

Inquiries concerning the placement of Notices and Advertisements in *Folio* and all other correspondence with the Editor should be addressed to:

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We first summarize some of the current facts, then state certain basic premises or principles, and finally list six specific recommendations on fee policies and one on student assistance policies.

In the interests of clarity and brevity we have avoided lengthy arguments and lengthy documentation. We understand that the Task Force has a comprehensive collection of statistics and reports.

#### **A. Facts**

##### **1. Benefits**

The benefits of a university education, however they are expressed or measured, are shared between the community and the individual student. The community gains trained professionals for a variety of services, and benefits in a less specific, but no less important, way, through the general diffusion of skills, knowledge, and culture which graduates take with them into the community. The individual gains through the personal development which accompanies his education, and may gain through the enhancement of his earning power.

##### **2. Costs**

The costs of university education include the operating and capital costs of the institution, the cost of books and student supplies, and the living costs of the student. In addition, the student foregoes income during the period of his studies. The extent of this cannot be readily gauged and it is partially offset in that living expenses have been counted as costs.

Institutional costs include not only instructional costs for students, but also research and community service costs which cannot be properly assessed against students. Although no reliable quantitative estimates are available, an example may be useful.

The Faculty of Agriculture is, on a per student basis, one of the most expensive at the University of Alberta. The reason for this is not that instructional costs are intrinsically high, but rather that this Faculty has a major responsibility for agricultural research on behalf of the Province of Alberta. It also carries on an extensive service program in support of the agricultural community in the province. Thus a large part of the costs of this Faculty is not attributable to student instruction as such, and would be incurred, at the university or elsewhere, even if no students were enrolled. It is obviously improper to expect the 800 agriculture students, through their fees, to cover research and service costs of one of Alberta's two principal industries.

In 1978-79 student fees are expected to cover about ten percent of the total costs

(instructional, research and community service) of the University of Alberta.

From a student point of view, based upon the Alberta Student Assistance Board figures, fees are expected to make up about sixteen percent of the costs of a single student living away from the parental home. (\$612 out of \$3,600 for a science student, \$880 out of \$5,640 for a dentistry student).

##### **3. Student Assistance: Loans and Grants**

Alberta students are eligible for loans up to a maximum of \$4,300 in a single year from the Student Assistance Board. Neither interest nor repayment is required until six months after graduation or other termination of the students' program. Upon successful completion of the program a partial remission of loans is made on a sliding scale: fifty percent of the borrowings in the first year, forty percent in the second year, and twenty-five percent in the third and subsequent years.

The amount of loan available is based upon Assistance Board estimates of student costs, information supplied by the student as to his earnings and savings, his financial responsibility (married, single, dependents, etc.), and the income of parents or spouse.

It has been suggested from several quarters that the cumulative debt total is intimidating to students who qualify for and receive maximum loans, and this may influence students' choice of program or decision whether to continue in subsequent programs.

##### **4. Equality of Access—Economic and Social Barriers**

It has been reported in a wide variety of jurisdictions that the student population in universities has, proportionately, a much lower representation from low income families than from high income or professional families. Instructional fees and the other costs borne by students are frequently seen as discriminatory barriers to university education for students or potential students from low income families. Although Alberta fees are now a small portion of the student's total costs, they still may represent a significant economic and psychological barrier. Because of the higher fees in certain programs, freedom of choice may be more restricted for low income students than for others.

##### **5. Student Origins**

The 'universal' nature of the university may be considered to relate to the breadth of the disciplines and subject matter with which its faculty members and students are concerned. It is also related to the diversity and richness of the educational and cultural backgrounds of its students. Traditionally, the University of Alberta has welcomed students from around the world, as well as from across

Canada, and counted these out-of-province students as a source of enrichment in the education of Albertans. Recent government concerns with the costs of educating foreign students and the possible exclusion of Albertans from programs of their choice, have led to a differential fee for foreign students.

Although differential fees were in effect in the academic year 1977-78, no useful data or conclusions can be based upon that experience as there was no advance notice of differential fees in university calendars for 1977-78, and most students had plans well under way before they were informed.

##### **6. Fees in Professional Programs**

For many years at the University of Alberta fees for students in Dentistry and Medicine have been fifty percent higher than those in most faculties, and fees in Engineering have been twenty-five percent higher. It is not clear what the original rationale was. It may have been related to higher perceived costs in these programs, or, in the cases of Dentistry and Medicine, to the expectation that graduates would have high professional income in restricted professions. There is no simple relationship between fee scales and costs of programs or between fee scales and anticipated professional income.

It must be further noted that a similar pattern in fee schedules exists in most North American universities.

##### **7. Fees for Part-time Students**

An undergraduate student who completes five full-year courses as a part-time student over three or more sessions now pays sixty-seven percent more in instruction fees than a student who takes the same courses in the same program in a single winter session. This results from a fee schedule in which the fee per course is one-third the full-time fee (five courses).

There is no apparent difference in instructional costs, and although certain administrative costs are greater for part-time students, this clearly does not justify a sixty-seven percent differential.

##### **8. Fees, Government Grants, and University Revenues**

Under present legislation, instructional fees are set by the Board of Governors, but are subject to Ministerial approval. (The Universities Act, 15 (1) (e)).

University grants are made by the Minister out of monies appropriated by the Legislature for that purpose. (Department of Advanced Education and Manpower Act, 4.2).

These two sources of income account for ninety-five percent of the University's operating revenues; government grants constitute a similar proportion of the University's capital funding.

### B. Premises and Principles

1. The recommendations in Section C are based upon the premise that the instructional fees will continue to form a portion of university revenues; that fees should be established on a province-wide basis; that the general level of fees is a matter of social policy which can appropriately be determined by government in consultation with the institutions; and that government grants should compensate for fluctuations in constant dollar fee revenues which result from fee policies or changes in fee policies.

2. In accordance with Human Rights legislation in Alberta and in Canada we believe that access to university education should not be influenced in any way by questions of race, religion, sex, place of origin, or any other discrimination prohibited by law.

3. We believe that insofar as possible both government and university policies should strive to minimize the effects of students' socio-economic backgrounds on their access to university admission and on their choice of program.

### C. Recommendations

The recommendations which follow are related to each other and are based upon the premises and principles outlined above; they are not necessarily supported by the Board of Governors if taken separately, or out of context.

1. Fees for undergraduate programs should be the same for all university programs with direct entry from high school.

2. Undergraduate fees should continue to be based on a term rate for full-time students, and a course rate for part-time students, but there should be a change in the schedule of part-time fees to achieve equalization in instructional fee costs for part-time and full-time students, taking administrative costs into account.

3. The University of Alberta is already on record as favoring a uniform fee schedule for students regardless of place of origin or citizenship status. We therefore recommend the abolition of the differential fee for foreign students.

4. The University of Alberta is opposed to any form of differential fee for Canadian students from outside Alberta.

5. The remission program for student loans should be continued, but with two modifications:

- (a) the remission rate should be increased; and
- (b) remission should be on an annual basis rather than at the end of the program, so as to reduce the pressure of visibly mounting debts as students continue their programs.

We recommend a forty percent remission, on successful completion of each term or

other registration period, of loans obtained for that period, with a further ten percent remission on satisfactory completion of a degree or diploma program, of loans obtained for that period.

6. We recommend that the Minister and the governing Boards of post-secondary institutions develop formal means of annual consultation on the whole subject of fee schedules as they relate to government funding, to student costs, and to institutional revenues.

### FIGURES IN A GROUND

*Figures in a Ground* is a group of Canadian essays on modern literature collected in honor of Sheila Watson. While the publishing of the book coincides roughly with Dr. Watson's retirement from the English Department (the book was published this year and Sheila Watson retired from the Department of English in 1975), the editors, Dianne Bessai and David Jackel, both Dr. Watson's colleagues in the English Department, have avoided producing a book that is comprised of a collection of eulogistic and laudatory writing about Sheila Watson. Instead, they were guided by Sheila Watson's belief that studies of Canadian literature must find their proper context in the study of modern literature in English.

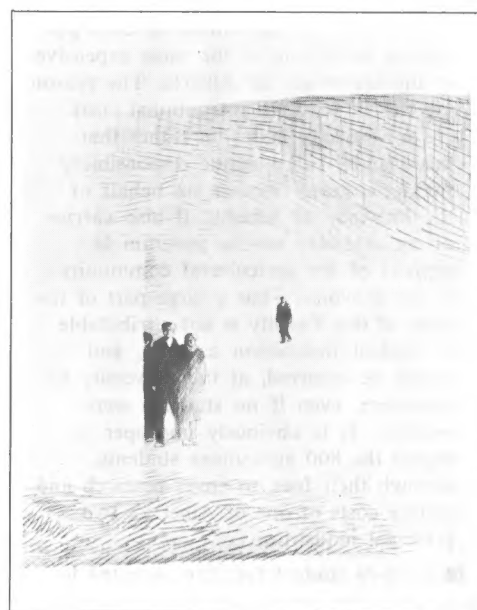
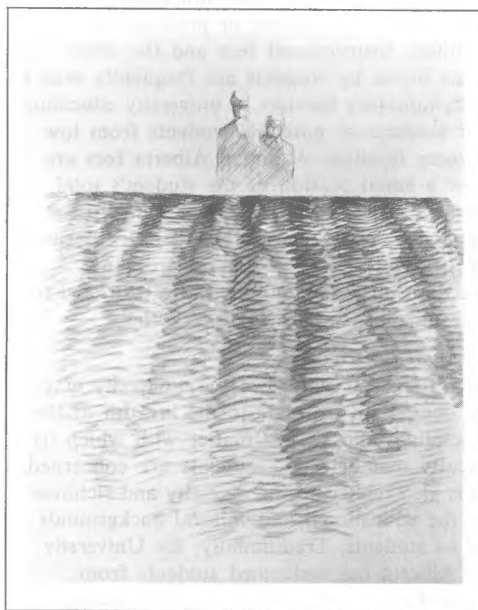
In attempting to make the book a meaningful tribute to Sheila Watson, the editors have marked out a large territory for *Figures in a Ground* to cover. Dr. Watson is probably best known to most people as



Sheila Watson

Rowland McMaster

the author of *The Double Hook*. Published in 1959, *The Double Hook* has attracted increasing attention, both from critics and an ever wider audience of casual readers. It was translated into Swedish in 1963 and into French in 1976. *The Double Hook* by itself would qualify Sheila Watson as worthy of note in the Canadian world of letters, but she is also known for her work as a translator, scholar, and especially as a teacher. In 1965, under the supervision of Marshall McLuhan, she completed her doctoral study of Wyndham Lewis, who was himself not confined to one activity alone, being both a novelist and painter. She was also the



Drawings by Norman Yates

founder and co-editor of *The White Pelican* a "Little Magazine" devoted to modern graphic and literary arts. During the time of the magazine's publication, from 1970 to 1975, it was one of the more highly respected "Little Magazines" in the country.

Given the extent of Dr. Watson's involvement with literature in Canada, it is fortunate that the editors of *Figures in a Ground* have not attempted to make the book a kind of literary gold watch. In fact, what has resulted from their efforts is not only an appropriate reflection of Sheila Watson, but the book is notable in its own right for the range and depth of the essays.

Commenting upon twentieth century literature and literary criticism in the preface, the editors write of the literary climate in Canada and the pressures it places upon its commentators. "Changing modes of perception and consequent shifts in values lead in turn to new forms of expression and adaptations of old ones. The critic of twentieth-century literature is continually confronted by the need to understand and evaluate the complexities and idiosyncracies of new and creative sensibilities." *Figures in a Ground* gives substance to this claim.

The range of concerns evident in the table of contents, and the variety of contributors—novelists, poets, critics, and even an artist—are good indications of the respect accorded to Sheila Watson and an acknowledgment of her own insistence that response to literature not be confined to particular schools of criticism and that scholarship not be placed in misleading opposition to creativity.

Following a brief biography and a short note by Henry Kreisel placing Dr. Watson

in the context of Edmonton, the book is divided into three sections. The first section, "Discoveries," covers a range of topics that extends from an essay on translation by Philip Stratford to an examination of T.S. Eliot's *Four Quartets* by Marshall McLuhan to an essay on Canadian authors Ann Hébert and Alice Munro by E.D. Blodgett.

The second section, "Explorations", moves through an equally broad range of topics. An essay on the relationship of film to literature of Paul Tiessen, a study of "little magazines" and small presses by Fred Cogswell, and an essay by Morton Ross on the novel *As For Me and My House* are three examples indicating the range of subject matter and approach.

The final section, "Identities", includes contributions by Rudy Wiebe, Eli Mandel, and Dick Harrison; men best known as a novelist, poet, and critic, respectively. The book ends with a series of drawing by Norman Yates.

*Figures in a Ground* makes no definitive statement about Canadian literature, something that has often been attempted in the past, but the book does serve as a good introduction to the quality of Canadian's response to modern literature. *Figures in a Ground: Canadian Essays on Modern Literature Collected in Honor of Sheila Watson* was published by Western Producer Prairie Books and is available at the University Bookstore for \$7.15.

## BOARD OF GOVERNORS

*The regular monthly meeting of the University's Board of Governors was held on Friday, 6 October. The following matters were among those discussed.*

### Membership on Salary Negotiating Teams and on the Agreement Review Committee

The Board appointed the following individuals to serve as its negotiators in the following areas:

*Board Salaries Negotiators with AAS:UA*  
G. Fryett, M. Andrekson, M. Horowitz.

*Board Members on Joint Board-AAS:UA Agreement Review Committee*

M. Andrekson, G. Fryett, M. Horowitz.

*Board Salaries and Benefits Negotiators with Non-Academic Staff*

N. Lawrence, J. Barry, L.C. Leitch, J.B. Caunt.

It was noted by Mrs. Andrekson, in reference to the Board-AAS:UA negotiating teams, that some queries may be raised about the appropriateness of extending voting privileges to members of the teams who are also members of faculty. Mr. Schlosser, however, Chairman of the Board, did not view the "possible conflict of interest" as an

insurmountable problem; though he suggested that the Board might give the topic some further consideration later in the academic year.

### APS-5-57 Phototypesetter

On the recommendation of its Building Committee, the Board of Governors approved the purchase of an APS-5 CRT Phototypesetter, at the cost of some \$203,976.

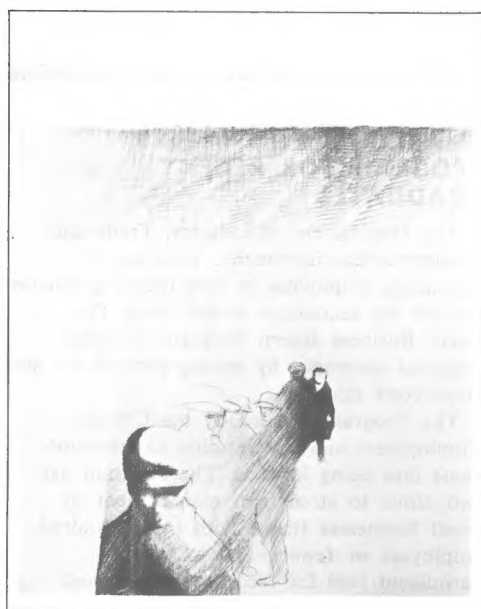
The APS-5 is a third generation phototypesetter which will make full use of the potential capabilities of the TEXTFORM program developed by the Department of Computing Services. The combination of TEXTFORM/APS-5, it was noted in the submission to the Board, will enable the University to maintain an economical and wide range of typesetting and printing services. While there is no policy established at present for the advertisement of advanced facilities at the University to other institutions in the surrounding community, it was also suggested that the new facility might well be found attractive by other universities, by governments, and by learned societies.

### Assiniboia Hall

At its meeting on Friday, 6 October, the Board approved the recommendation that \$188,000 be allocated to the planning and design of the reconstruction of Assiniboia Hall and that Bittorf-Holland-Christianson Architects Ltd. be appointed as Prime Consultant, with A.M. Holland as principal-in-charge. It was noted at the meeting that the two sister buildings, Pembina Hall and Athabasca Hall, had both received Heritage Canada awards for their reconstruction and that the University had cause to be proud of this recognition.

According to R.E. Phillips, Vice-President (Planning and Development), the first users of the newly reconstructed building will probably be those departments and individuals who will be displaced from Arts-1, when that building undergoes major renovations.

Professor Leitch, Vice-President (Finance and Administration), expressed some "frustration" at the taxation methods adopted by the federal government. He observed that several "tax breaks" could be applied only to new buildings and that Assiniboia Hall, like Athabasca Hall, probably would not be considered a new building by the federal government. Such a situation, in his opinion, was deplorable when all that would remain of the old Assiniboia Hall would be the brick and concrete shell. Were such reconstructed buildings regarded, as they ought to be, as completely new structures, tax savings of over \$100,000 could be realized. The Board of Governors expressed concern at such an apparent misconception on the part of the taxation authorities and resolved to investigate the matter further.



#### North Power Plant

In addition to approving planning and design funds for the reconstruction of Assiniboia Hall, the Board approved a similar recommendation that \$55,000 be assigned to the design and planning of the second phase of the renovation of the North Power Plant. In this case, the Board approved in principle the negotiation of a Contract Management Agreement with Poole Construction Limited for the completion of Phase II. This company, according to the recommendation of the Building Committee, has "completed Phase I very successfully in terms of control of costs, methods of construction and scheduling, and it would be advantageous to continue the work with the same contractors, utilizing the expertise acquired in the project."

#### Central Quad Paving

Among the major allocations of funds to renovating facilities on campus, the Board approved the expenditure of some \$279,325 for the purpose of up-grading the footpaths and storm drains at the northern end of the Central Quad. It was observed in the supporting information presented for the Board's consideration, that "paraplegic access [is] very poor" in the area adjacent to the V-Wing and that, were the recommendation not approved, "fire-fighting access and abilities will be seriously impaired." The Board Building Committee also reported for information that it had approved the award of the construction contract for the 1978-79 Paving and Grounds Program to Alta West Construction (Southern) Limited, subject to the necessary allocation of funds.

#### Supplementary Requests

On the recommendation of its Building Committee, the Board also approved several Capital Expenditure Supplementary Requests: a further \$34,000 were allocated to the University Health Services Building project for a new revised total of \$584,000; an additional sum of \$5,600 was granted to assist in the completion of the office renovations for the Dean of Dentistry; \$20,000 was made available to complete the conversion of 3039-3060A of the Dentistry-Pharmacy Centre into a pre-clinical laboratory; and \$12,000 were allocated to the completion of the Medical Sciences Building 8th floor Level "D" Bio-Hazard facility.

#### Students' Union Grant Request, 1978-79

At the meeting of the Board of Governors much discussion was devoted to the recommendations of the Finance Committee with respect to the Students' Union grant requests for 1978-79. The Finance Committee recommended approval of grants to the following organizations and projects for the 1978-79 fiscal year:

(i) CKSR Student Radio	\$5,250
(ii) Freshman Orientation Seminars	\$7,910
(iii) The Gateway	\$6,000
(iv) Student HELP	\$4,410
(v) Students' Union Art Gallery	\$7,700
(vi) Students' Union Housing Registry	\$6,675

In addition, the Finance Committee recommended Board approval of the allocation of up to \$12,000 for Varsity Guest Weekend, 1979, subject to the prior approval of the budget and of expenditure control procedures by the Vice-President (Finance and Administration).

The recommendations of the Finance Committee were approved by the Board after lengthy consideration of amendments, moved by Miss Hume, that the CKSR grant be raised to \$7,500 and the Art Gallery grant raised to \$8,500. In speaking to the amendments, Miss Hume emphasized the very important role of both Students' Union organizations in promoting public awareness of the University. In addition, she stressed the urgent need of CKSR for more reliable broadcasting equipment. Both amendments were defeated by narrow margins, but the Board expressed its willingness to consider the matter again, should applications by the Students' Union to other granting agencies be unsuccessful.

#### Students' Union Caretaking Grant, 1978-79

In addition to considering recommendations of the Finance Committee concerning grant requests made by the Students' Union, the Board of Governors approved a recommendation that the 1978-79 Caretaking Grant to the Students' Union be raised by 8:25 percent from its level in the 1977-78 fiscal year (i.e., from \$241,000 to \$261,000).

An amendment, moved by the student representatives on the Board of Governors, Miss Hume and Mr. Read, that the subvention be raised a further \$10,000 to \$271,000 was defeated.

#### University of Alberta Mixed Chorus

The Board approved a grant to the University of Alberta Mixed Chorus of \$1,000 to assist with the 1978-79 program.

In the information supplied to the Board, it was stated that the Chorus is now beginning its thirty-fifth year of activities and performance and that it is funded largely through box-office receipts, concert fees, membership fees, and grants from the Board of Governors, the Alma Mater Fund, the Students' Union, and Alberta Culture.

#### Fee Discount for Pre-registration in Spring and Summer Sessions

The Finance Committee recommended and received Board approval for discontinuing the practice of providing fee discounts for early registration in the Spring and Summer Sessions beginning with the Spring Session, 1979.

The fee discount had been intended as an incentive to early registration, but, with the decentralization of registration procedures from the Office of the Registrar to the faculty offices, had become "administratively cumbersome" and, according to the Finance Committee, no longer provided the incentive it had in the past.

#### Study Grant: Russian Languages Studies Program

The Finance Committee recommended and received Board approval for the award of a study grant of \$500 to Anthony Simulik, a student at this University. The grant is to assist Mr. Simulik in a program of study at the Pushkin Institute in Moscow from January to April 1979.

The program in which Mr. Simulik will participate, the Dalhousie/Pushkin Russian Language Studies Program, was established in 1975 as a cultural exchange between our country and the USSR. It is administered in Canada by Dalhousie University. Each year, a total of ten students may participate in the Program, of which the first part, from September to December, is undertaken at the students' home universities.

Although it is usual for two students from this University to engage in the Program each year—study grants for two students were approved by the Board in 1976 and in 1977, Mr. Simulik will be the only student from this institution participating in the Program in 1978-79.

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### PULLAIAH GUNTUR

The Institute of Earth and Planetary Physics and the Department of Physics record the death of Dr. Pullaiah Guntur, Research Associate, on 11 October 1978. He is survived by Mrs. Guntur and two children.

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### SMALL BUSINESS INTERN PROGRAM FOR RECENT GRADUATES

The Department of Industry, Trade and Commerce has instituted a program to encourage employers to hire recent graduates beyond the secondary school level. The Small Business Intern Program provides financial assistance by paying part of the new employee's salary.

The Program, funded by the Canada Employment and Immigration Commission, came into being in June. The Program has two aims: to strengthen management in small businesses (those with three hundred employees or fewer), and to provide permanent jobs for recent university and technical college graduates. It is not confined

to management jobs, nor to manufacturing firms. Companies have used this program to hire marketing specialists, accounting graduates, fish and field biologists, psychologists, geologists, and even an interior designer and a lawyer.

Graduates have traditionally tended to seek employment with bigger companies, possibly because they have been unaware of the many opportunities and challenges open to them in the smaller firms. The smaller firms, too, tend to think that graduates would not be interested in working for them or that they are too expensive. Many of these firms, therefore, often do not even try to attract such persons.

Graduates, however, are quite capable of doing jobs for smaller firms. Jobs that would be within the capabilities of a graduate are sometimes not done at all because management does not have the time, or might be done superficially because management does not have the expertise or sufficient resources. The Small Business Intern Program can provide a useful link between these smaller firms and recent graduates that could be beneficial to both sides.

There is a minimum of red tape and paperwork involved in the Program. Applications by companies can be approved in a matter of days because they are approved locally by one of the ten regional offices of the Department of Industry, Trade and Commerce, and do not have to be sent to the bureaucratic warrens of Ottawa.

It is the employer rather than the graduate who makes application, although there is nothing to stop the graduate taking the initiative and carrying an application form with him when he is out looking for a job. These forms are available at all regional offices of the Department of Industry, Trade and Commerce, most Canada Employment Centres, or from University Placement Offices. They are simple and take perhaps ten minutes to fill out. Another welcome feature is that no further documentation is required. Once accepted, the application becomes the legal agreement authorizing the assistance to be paid.

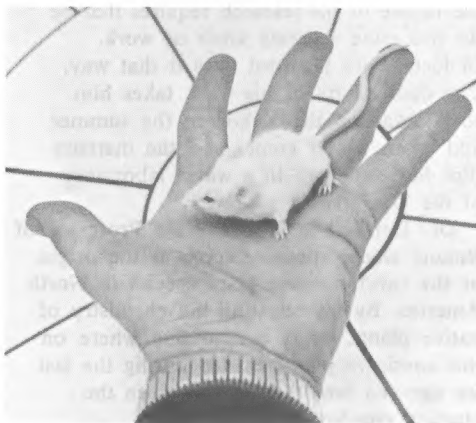
The Program pays half the salary of the newly hired graduate, up to a maximum of \$675 a month. It has to be a new job, so that no existing employee is displaced by the new hiring. As well, no contributions will be paid if the position is filled before application is made by the company and approved by the government. Because the intent of the Program is to stimulate permanent rather than seasonal or part-time employment, the company, which must be incorporated, must show that the position is intended to be permanent.

Age is no barrier, but the intern must be a recent graduate of a recognized program of studies of two or more years beyond secondary school, and not have worked for the company within the previous six months. In addition, he cannot hold shares in the business or be related to the owners or managers.

More information about this program can be obtained at the regional office:

C.G. Bullis  
Regional Director  
Department of Industry, Trade and Commerce  
500 Macdonald Place  
9939 Jasper Avenue  
Edmonton, T5J 2W8

## Research Reporter



*The research reporter, primarily designed to attract the interest of persons in the commercial communications media, is included in Folio on a monthly basis because of the interest shown by the University community in its brief reports. Short descriptions of research—any kind of research—should be sent to Research Reporter, Office of Community Relations, 423 Athabasca Hall. All reports are checked with those concerned prior to being printed.*

### Scientist Investigates Origin of Alberta's Oil and Gas

Ian Rubinstein is an organic geochemist. Do not be surprised if that is a variety of scientist of which you have not heard before. Dr. Rubinstein, of the University's Hydrocarbon Research Centre, says that organic geochemistry is still in its infancy as a specialized branch of science. According to Dr. Rubinstein, the organic geochemist is a mixture of chemist, biologist, geologist, and economist. And listening to him describe his work one gets the impression that being something of a Sherlock Holmes would not hurt at all.

The Hydrocarbon Research Centre was established at the University in 1974 with National Research Council funding. Its

mandate is the advanced study of Canada's hydrocarbon resources—natural gas, petroleum, and coal. As the Centre's resident organic geochemist, Dr. Rubinstein is investigating the origins and history of Alberta's oil and coal. Using sophisticated scientific equipment such as gas chromatographs and electron impact mass spectrometers, and pioneering the use of field ionization mass spectrometers in this area of science, Dr. Rubinstein and his colleagues have uncovered a number of clues important to the unravelling of the mysteries which they are facing.

The deductions which they have already made are most interesting. They have concluded that the bitumen of the Athabasca Oil Sands was once a conventional crude of sorts. By identifying the sterol products present in the bitumen—cholesterol is the most widely known sterol but only one of many of these substances which can last basically unaltered for thousands of years—the scientists have concluded that the deposit was of marine origin. More precisely: the origin was subtropical marine with deltaic influence, an environment which is similar to that now found where the Mississippi River empties into the Gulf of Mexico.

Time and physical conditions turned the sea life to crude oil. Then for some reason the crude must have escaped its reservoir, ending up in the sand of the Fort McMurray area, says Dr. Rubinstein. There, he believes, the circumstances were just right for the bacteria which attack oil to flourish. The result: the sticky bitumen of the current day oil sands.

Working in the lab, the Hydrocarbon Research Centre scientists have subjected conventional crude to similar conditions and the result has been a substance very closely resembling the Athabasca bitumen. Their theory is further strengthened by the fact that bacteria introduced to the Athabasca bitumen can change it little, but the same bacteria can metabolize conventional crude a great deal.

Dr. Rubinstein and his colleagues have found that the heavy oils of the Peace River, Wabasca, and Cold Lake deposits have also been biodegraded, but not to the extent to which the Athabasca bitumen has. It is interesting to note that amongst the many research projects which the Hydrocarbon Research Centre scientists are working on is one devoted to the screening of oil-degrading bacterial and fungal culture in order to develop a viable strain for use in "seeding" oil spills to hasten the natural clean-up process.

Dr. Rubinstein, who is continuing his investigations, likens the discoveries he and

his fellow research scientists are making to pieces in a jigsaw puzzle; only a few are in place in a very large puzzle.

#### **Artificial Hip Joints Being Assessed from Engineering Viewpoint**

When Bill Ruzycki was an undergraduate engineering student at the University he became intrigued by the work being done in the field of biomedical engineering. In 1972 he received his Bachelor of Science degree in mechanical engineering and soon found himself employed in the heavy construction industry. But his interest in biomedical engineering persisted, and today he is a graduate student in the University of Alberta Department of Mechanical Engineering and he is working on a most interesting problem in biomedical engineering under the supervision of John Colbourne of the Mechanical Engineering Department and K.J. Russell of the University of Alberta Hospital.

The problem brought to the Department of Mechanical Engineering by Dr. Russell involved artificial hip joints—some of them were breaking. Dr. Russell wanted the mechanical engineers to examine the different types of this prosthesis available to determine which is least subject to breakage caused by fatigue failure. Mr. Ruzycki spent a month in the Department of Physical Therapy at the University Hospital and has taken extra courses in physiology and surgery in order to get a better understanding of the medical aspects of this research.

He began the research in September 1977 on a part-time basis, combining it with his graduate course work, but for the past few months he has been tackling the research work full-time.

Mr. Ruzycki says that co-operation from manufacturers of the prostheses has been good and many samples were donated. That is a big help as the normal retail cost of the artificial joints is about \$350. The prosthesis consist of a metal stem and ball, manufactured from stainless steel, or a cobalt-chromium-molybdenum alloy, or a titanium alloy, and a plastic socket; it can vary in length with the requirements for different patients but is usually fourteen centimeters in length.

Except for some small items that had to be manufactured in the departmental workshop, the equipment being used for the testing of the prosthesis was already on hand in the department of mechanical engineering. Both static tests and repeated action (fatigue) tests have been carried out to measure strain in the various prostheses, and to investigate the fatigue properties of the prosthesis materials.

Much research has already been done on

this subject, particularly in the United States, Britain, Germany, and Australia. The University's researchers, however, feel that their current research program duplicates in the lab the actual loads which act on the prosthesis in a body more accurately than has been done in the past. Accurate duplication of the loading is regarded as essential before a comparison can be made of the different brands of artificial hip joints available.

Mr. Ruzycki's research is to establish the best prosthesis from a strength and durability point of view. He emphasizes that there are also medical preferences that are important in determining the selection of a particular prosthesis, and his work is concerned only with the engineering aspects of selection.

#### **Botanist Traces Origin of Native Plants**

He is not complaining about the fact that the nature of his research requires that he do two quite separate kinds of work. In fact, Keith Denford likes it that way. The dual nature of his work takes him to Alaska and the Yukon in the summer and when winter comes and the mercury dips he is at work in a warm laboratory at the University.

Dr. Denford is an Associate Professor of Botany whose special interest is the origin of the various native plant species in North America. By investigating the chemistry of native plants, he is determining where on this continent plants existed during the last ice age and how they spread when the glaciers receded.

He says that while 10,000 to 15,000 years ago most of North America was covered by a sheet of ice one-half to one mile thick, some areas remained uncovered. In places the mountains rose above the ice, and it seems that much of what is now the State of Alaska remained uncovered, this strange turnabout likely being due to the fact that in Alaska there was insufficient moisture to support the development of an ice layer.

Dr. Denford says that in these 'refugia' plants survived the glaciation, and when the ice disappeared hybrids adapted to the new environment, developed and spread, gradually revegetating the continent. His research is based on the chemical differences which exist between the present day plants which are descendants of the plants which survived and those which trace their origins to the hybrids which developed. By examining the chemistry of the 'flavonoids', which are associated with color and taste, of the various vegetation which now exists, he is able to make conclusions about its origin. He hopes to eventually accumulate enough information to compile a complete map to

show the location of the major plant refugia of the last ice age and the subsequent spread of vegetation from these areas.

While Dr. Denford is pursuing this research because of its importance to basic knowledge in the field of botany, he says that it may be possible that a map such as he plans to produce may prove of value in other ways. For instance, correlations could exist between the distribution of various chemical races of plants and pre-glacial ore deposits. A map showing the locations of the chemical races of plants would then have predictive value in survey studies.

#### **Essay Models Assist English Grading**

Math is no real problem from a grading point of view. Nor are a number of other subjects where generally for any one problem there can be only one correct answer. The grading of English compositions, however, is much more difficult in that uniformity of grading is by no means automatic. Amongst other things, this means that it is difficult to relate the efforts of a given group of students to any absolute standard or norm.

Now, however, at least Alberta Grade 12 English teachers have been given some help with the introduction of essay models prepared by Vern Nyberg. The Associate Professor of Educational Psychology says that this is not the first time that models have been prepared for use in the grading of English, but, he says, his models are different in two ways. His are for use with a very specific group of people, Grade 12 students, and separate models are provided for assessing achievement in the mechanics of English, and achievement in terms of style and content. Professor Nyberg strongly advocates the separate treatment of the two aspects. He says that the correlation between achievement in the two is no greater than is achievement in, say, social studies and chemistry.

Professor Nyberg's models were derived from essays written by English 30 students in 1964 as part of the provincial Grade 12 departmental examinations. Designed for use with the stanine marking system in which marks range from one to nine, the models show compositions considered typical of those awarded stanine marks two, four, six, and eight—two sets of models are provided, one concerned with English mechanics and another with style and content.

Testing of the models involved having a number of people use them to grade the same set of essays, and the models were found to generate quite consistent marking. By using these models, says Professor Nyberg,

one could quite accurately compare the writing ability of today's Grade 12 students with that of the Grade 12 students of 1964.

At the moment, he is not interested in doing that himself as he is just finishing his involvement in the second stage of the Grade 3 study being carried out in cooperation with the Alberta government. That study previously related the ability of the Edmonton Grade 3 students of 21 years earlier; the second stage extended the study to include the 1977 Grade 3 students from the rest of the province. Those results have now been submitted to the government and should be made public soon.

#### Energy Attitudes Surveyed

Albertans tend to be complacent about "the energy crisis". A survey of residents of Edmonton and Calgary recently undertaken by E.L. Jackson of the Department of Geography shows that only one Albertan in eight thinks that the problem of dwindling energy reserves is a very serious one at the provincial level. Of seven provincial problems which were listed on the survey, it was ranked seventh.

At the national and international levels the respondents see the problem as being somewhat more serious. One person in four thought the problem a serious national one, and one in two saw it as serious at the world level.

Dr. Jackson also inquired into Albertans' awareness of energy conservation practices and the extent to which they were being put into use. He found that all survey respondents knew of some conservation measures, but people were not equally aware. And people were aware of many practices which they had not adopted.

These are only some of Dr. Jackson's findings, and he has not as yet finished analyzing all of the information he received.

He says that, while he undertook the survey primarily for theoretical reasons, the survey results have value from a public policy point of view as well. The government might well be advised to listen: only one person in three thought that the provincial government was doing a good job in the area of energy policy, and only one in ten thought that the federal government was doing a job of which it could be proud.

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## PUBLICATIONS

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*Notices of publications by academic staff, non-academic staff, and students in the current academic year should be sent to Publications Column, 423 Athabasca Hall.*

Fishwick, D. (Classics): *Studies in Roman Imperial History*. Leiden: the University,

1977.

———. The Formation of Africa Proconsularis. *Hermes. Zeitschrift für klassische Philologie* 105 (1977): pp. 369-380.

———. The Era of the Cereres. *Historia. Zeitschrift für alte Geschichte* 27 (1978): pp. 343-354.

———. The Development of Provincial Ruler Worship in the Western Roman Empire. In *Aufstieg und Niedergang der Römischen Welt* II, 16 (Berlin, 1978): pp. 1201-1253.

———. Augustus deus and deus Augustus. In *Hommages à Maarten J. Vermaseren* I. Leiden: Brill, 1978, pp. 375-380.

———. Die Einrichtung des provinziellen Kaiserkults im römischen Mauretanien. In *Römischer Kaiserkult: Wege der Forschung* 372 (Darmstadt, 1978): pp. 226-238.

———. The Federal Cult of the Three Gauls. In *Les Martyrs de Lyon (177). Colloques Internationales du Centre National de la Recherche Scientifique*, no. 575. Paris: Centre Nationale de la Recherche Scientifique, 1978, pp. 33-45

———. Review of D. Hennig, *L. Aelius Seianus: Untersuchungen zur Regierung des Tiberius* (Munich, 1975) *Phoenix. Journal of the Classical Association of Canada* 31 (1977): pp. 284-286.

———. Review of M.S. Bassignano, *Il fiammato nelle province romane dell'Africa* (Rome, 1974), *Classical Philology* 73 (1978): pp. 168f.

Green, L.C. (Political Science): The New Law of Armed Conflict. *XV Canadian Yearbook of International Law* (1977): pp. 3-41.

———. The Role of Legal Advisers in the Armed Forces. *7 Israel Yearbook on Human Rights* (1977): pp. 154-165.

———. From Empire through Commonwealth to —? *XVI Alberta Law Review* (1978): pp. 52-69.

Kosinski, L.A. (Geography): Demographic Characteristics and Trends in Northeastern Europe, German Democratic Republic, Poland, Czechoslovakia and Hungary. In *Population and Migration Trends in Eastern Europe*, edited by H.L. Kostanick. Boulder, Col.: Westview Press, 1978, pp. 23-48.

——— and R.J. Pryor: *Population Redistribution Policies*. Edmonton: International Geographical Union, Commission on Population Geography, 1978.

Redmond, G. (Physical Education): *Soccer Practice*. Edmonton: John LeBel

Enterprises Ltd., 1978.

———. *Sport and Ethnic Groups in Canada*. Ottawa: Canadian Association of Health, Physical Education and Recreation, 1978.

———. A Brief History of the Commonwealth Games. In *The Official Pictorial Record of the XI Commonwealth Games* (1978). Edmonton: Executive Sport Publications Ltd., 1978.

——— and R.G. Glassford: Physical Education and Sport Since 1800. In *A History of Physical Education and Sport*, edited by E.F. Zeigler. Englewood Cliffs, NJ: Prentice-Hall Inc., 1978.

———. The First Tom Brown's Schooldays (1804) and Others: Origins of Muscular Christianity in Children's Literature, 1762-1855. *Quest 30, Sport and Literature* (1978): pp. 4-18.

———. XI Commonwealth Games. *New Trail. The University of Alberta Magazine* 33, 3 (1978): pp. 3-5.

———. Maury L. Van Vliet. *CAHPER Journal* 44, 3 (1978): pp. 3-5.

———. Sport and Politics. *Cultures* (UNESCO) 4, no. 2 (1978): pp. 17-25.

Reschenthaler, G.B. (Business Administration): A Re-examination of Canadian Airline Regulation. *The Logistics and Transportation Review* 14, no. 1 (1978): pp. 3-28.

Rutter, M.F. (Law): *A Guide to the Development Appeal Board*. Edmonton: Acorn Books Ltd., 1978.

———. *A Quick Analysis of the Planning Act*. Edmonton: Acorn Books Ltd., 1978.

———. *A Correlated Text of the Planning Act 1970 and the Planning Act 1977*. Edmonton: Acorn Books Ltd., 1978.

———. *1978 Directory of Alberta Planning Services*. Edmonton: Acorn Books Ltd., 1978.

———. *Planning Law Sourcebook*. Edmonton: Acorn Books Ltd., 1978.

———. *By-Law Handbook*. Edmonton: Acorn Books Ltd., 1978.

———. *The Main Statutes in Administrative Law*. Edmonton: Acorn Books Ltd., 1978.

———. *Alberta Expropriation Law Sourcebook*. Edmonton: Acorn Books Ltd., 1978.

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## PEOPLE

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■ Arlette Thomas of the Department of Romance Languages has been elected President of the Association of Canadian University Teachers of French during the

## APPOINTMENT



*Lynn P. Morgan has been named Acting Registrar of the University of Alberta. He will assume the duties of that office on 1 December 1978. Dr. Morgan, who graduated from McMaster University with a Bachelor of Arts Degree, joined the Office of the Registrar in 1956. He was named Assistant Registrar in 1959 and Associate Registrar in 1964. Among the areas in which he is experienced are lecture and examination timetabling, and development of computer systems.*

annual Conference of the Learned Societies in May.

■ Ruth-Ann Pitts, Associate Professor of Sociology, Faculté Saint-Jean, gave several papers in sociology this summer to Canadian and international associations. In May, Dr. Pitts presented "The self relation of values; the relevance of adult experience in French and English Canada" to the Annual meeting of the Canadian Sociological and Anthropological Association in London, Ontario. Later, in Uppsala, Sweden, she addressed the Ninth World Congress of Sociology. She made three presentations to the Congress: "Working conditions, alienation and abstentions from voting"; "Powerlessness: the result of value estrangement or the organisation of production"; and "The need to retain the adversary system in quality of working life schemes." Dr. Pitts finished her summer with a presentation titled "L'Influence de la profession sur la prise de conscience nationale au Québec" for the Association internationale de sociologues de langue française meeting in Toulouse, France.

■ James Vargo of the Department of Occupational Therapy, Faculty of Rehabilitation Medicine, delivered a paper, "Psychological issues in the rehabilitation of Ostemates," at the provincial conference of the United Ostomy Association in Edmonton on 23 September.

■ D.J. Engle of the Department of Secondary Education presented a workshop on visual media to a group of regional representatives of Alberta Agriculture on 21 September.

■ Alexander J. Matejko, Professor of Sociology, chaired two sessions at the Ninth World Congress of Sociology in Uppsala. One session dealt with the implementation of recommended social actions and was held within the framework of the ISA Research Committee on Sociotechnics. The second session was devoted to the quality of working life and consisted of several short contributions offered by specialists in the field. Professor Maejko also presented a paper on "Structural criteria of social system maturity" at the Fourth International Congress of Cybernetics and Systems in Amsterdam.

## NOTICES

*Notices must reach the Editor by 9 a.m. the Thursday prior to publication. Written notification is necessary. Notices should be sent to Folio Notices, 423 Athabasca Hall.*

### Computing Science Reading Room

The operating hours of the Computing Science Reading Room, 604 General Services Building, have been extended. The new hours are:

Monday 9:00 a.m. - 4:30 p.m.	6:30 p.m. - 9:30 p.m.
Tuesday 9:00 a.m. - 12:00 p.m.	1:00 p.m. - 4:30 p.m.
Wednesday 9:00 a.m. - 4:30 p.m.	6:30 p.m. - 9:30 p.m.
Thursday 9:00 a.m. - 12:00 p.m.	1:00 p.m. - 4:30 p.m.
Friday 9:00 a.m. - 4:30 p.m.	6:30 p.m. - 9:30 p.m.
Sunday 1:00 p.m. - 5:00 p.m.	closed

These hours will *not* apply on holiday week-ends.

### Erratum

In the *Folio* of 28 September 1978, incorrect telephone numbers were given for Student Legal Services. The telephone number for the administration office of Student Legal Services is 432-2226.

### Soviet Canadian Relations

Leon Bagramov, Head of the Canadian Section, The USSR Academy of Science's Institute of the USA and Canada, Moscow,

will participate in a seminar on "Soviet Canadian Relations," on Tuesday, 24 October 1978 at 3:30 p.m., Athabasca Hall, Room 227. The seminar is sponsored by the Division of East European Studies and the Committee on Canadian Studies.

### House Heating and Insulation Standards Survey

Houses are required for a survey of house heating and insulation standards in Edmonton. Those people who have gas bills for the period July 1977 to July 1978 and would be willing to allow two students to take measurements of their house should telephone 432-5425. Those people who are willing to volunteer their houses for the survey will receive an insulation assessment of their homes.

### United States Social Security Administration

Raymond Pederson and Michael Silva, representatives of the United States Social Security Administration, will be at the Canada Pension Plan Office in Edmonton on Tuesday, 24 October. People having questions regarding United States social security matters are invited to call or write to Mr. Pederson in care of the Canada Pension Plan, Floor 7, Manulife Building, 10055 106 Street, Edmonton, telephone 425-7150.

### Race Day

Sunday, 22 October, is race day courtesy of the Chasquis Track and Road Racing Club, a University-based organization.

The Club is sponsoring a five mile road race that day at Ellerslie. The start is five miles due west of the Edmonton Rugby Club and the finish is at the Rugby Club. The starting gun will be fired at noon.

Open men, open ladies, and masters divisions will be in effect with the Chasquis Shield going to the overall winner. Awards will be presented to the first three finishers in each division.

Change and shower facilities are available at the Rugby Club and post-race refreshments will be served.

The entry fee is \$3 and entries should be sent to Ron Thomas, 423 Athabasca Hall, University of Alberta, Edmonton, T6G 2E8. The deadline for advance entry is 19 October.

### Campus Singles Group

The Singles Group on campus are holding an October Social at the Prince of Wales Armoury, 108 Avenue and 104 Street, at 8:30 p.m. on 20 October. Admission is \$6 for non-members and \$5 for members. Refreshments will be available.

### Additional Office Space for University Chaplains

The University Chaplains, representing the Anglican, Christian Reformed, Christian Science, Catholic, Lutheran, Presbyterian,

and United Churches on campus, have acquired additional office space in 132 Athabasca Hall. Anyone on campus may contact the Chaplains at the new location as well as in the offices at 158 Students' Union Building.

#### **Donations to International Students Office**

The International Students Office would appreciate donations of sheets, pillows, pillow slips, towels, blankets, cooking utensils, and men's warm winter clothing (jackets, sweaters, etc.). Donations should be clean and in good condition. Please drop donations at the Office of Student Affairs, 225 Athabasca Hall.

#### **General Faculties Council Committee Vacancies**

The GFC Nominating Committee is seeking nominations for one member of the academic staff to serve on the following committees.  
*Selection Committee for the Chairman of the Department of Soil Science*

*Review Committee for the Chairman of the Department of Agricultural Engineering*

*Review Committee for the Chairman of the Department of Food Science*

#### **Review Committee for the Chairman of the Department of Entomology**

Regulations governing the composition of the above committees require that one member, not a member of the department concerned, be elected by GFC.

Those who have suggestions for nominations or who are interested in serving on any of the above committees are requested to contact the Secretary of the Nominating Committee, 2-1 University Hall, telephone 432-4715. It would be appreciated if a brief vita could accompany any nomination.

#### **Graduate Students' Association General Meeting**

The Graduate Students' Association General Meeting will take place on Tuesday, 24 October, at 8 p.m. in TL-11 Tory Building. Graduate students who wish to raise any questions or discuss any issues that concern graduate students are urged to attend.

#### **Safety Exhibition**

Personnel Services and Staff Relations and University Occupational Health and Safety are coordinating a one-day safety exhibition. Exhibitions will be mounted by University

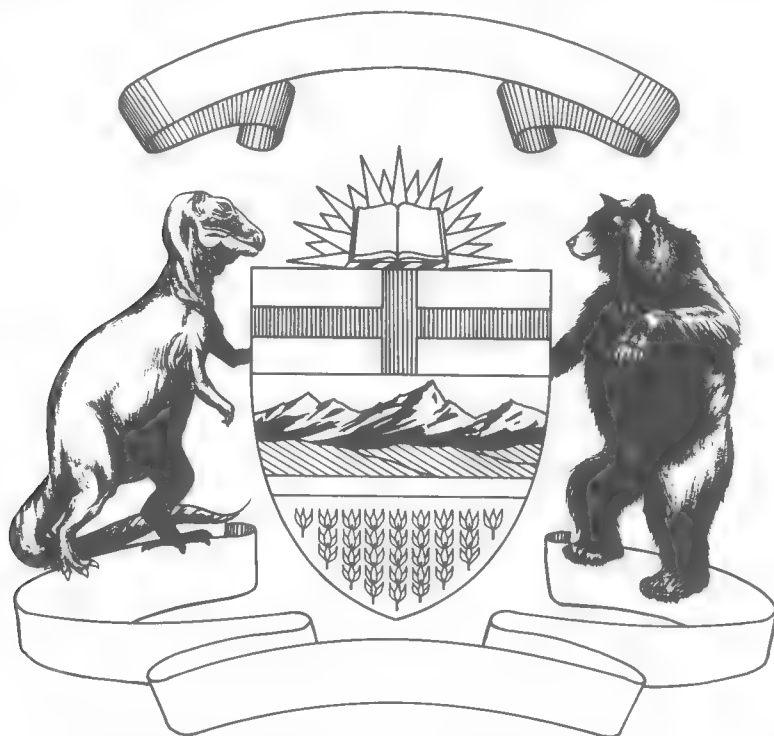
safety departments, the provincial government, and safety supply and chemical companies. Display booths will cover fire safety, campus security, radiation protection, biosafety, home safety, and traffic safety, as well as new safety and chemical products. Everyone is welcome. Please note that the exhibition will take place for one day only, 2 November, in the Central Academic Building.

#### **Buddhist Society Seminar**

The Edmonton Buddhist Society will hold a seminar on Buddhism in daily life on 27 October at 7:30 p.m. in 280 Students' Union Building. The guest speaker will be the Reverend June King, minister for the Honpa Buddhist Church in Lethbridge. There will be no admission charge.

#### **Rutherford House**

Rutherford House, 11153 Saskatchewan Drive, is the restored former residence of Alberta's first Premier, A.C. Rutherford. The house is open from noon until 6 p.m. weekends. Tours during the week are by appointment only. Call 427-5708 weekdays and 427-3995 weekends for more information. Admission is free.



*This crest was commissioned by the University in the mid-sixties, but it was later abandoned because the University of Calgary attained autonomy. We have resurrected the Bear and the Dinosaur because they serve as a reminder of the Calgary-Edmonton football game to be played on Saturday of Homecoming Weekend at 2 p.m., and because the crest also serves as an admirable opportunity for amateur motto writers on campus. Anyone who wishes to participate in the birth of a legend should send their motto to Folio, 423 Athabasca Hall by 15 November. Your motto must be able to fit into the vacant banners on the crest, and the winning entrant will be awarded a copy of the crest, suitable for framing and inscribed with his or her motto.*

## **THIS WEEK AND NEXT**

*Listings must reach the Editor by 9 a.m. on the Thursday prior to publication. Written notification is necessary. Listings should be sent to Folio Listings, 423 Athabasca Hall.*

### **MUSIC**

#### **Students' Union Theatre**

*20 October, Friday.* 8 p.m. and 10 p.m. SU Concerts presents the Cooper Brothers in Concert. Tickets \$5.50 at the SU Box Office (HUB Mall), Mike's, and all Woodward's stores.

#### **Inaugural Concert**

*20 October, Friday.* 8 p.m. The final inaugural concert on the University's new memorial organ will be given by Arno Schoenstedt, one of Germany's best known organists. Convocation Hall. Admission is free but tickets should be obtained prior to the concert from the University's Department of Music, 3-82 Fine Arts Centre.

#### **Provincial Museum**

*22 October, Sunday.* 2 p.m. The Provincial Museum presents a Cultural Heritage Performance of young Polish-Canadian singers and dancers.

#### **Department of Music**

*22 October, Sunday.* 8 p.m. The Department of Music presents Claude Kenneson, cello, in Convocation Hall. Tickets available in 3-82 Fine Arts Building.

25 October, Tuesday. 8 p.m. The Department of Music presents Linda Smyth, French horn, in Convocation Hall. Tickets available in 3-82 Fine Arts Building.

27 October, Friday. 8:30 p.m. The Department of Music presents the second concert in the Explorations Concert Series in Convocation Hall. Tickets available in 3-82 Fine Arts Building.

#### Edmonton Chamber Music Society

25 October, Wednesday. 8 p.m. Edmonton Chamber Music Society presents The Scottish Baroque Ensemble. Students' Union Theatre. Admission by membership only. Available at Canadiana Gifts, the SU Box Office (HUB Mall), and by mail from the Society.

#### Cosmopolitan Music Society

26 October, Thursday. 7:30 p.m. Cosmopolitan Music Society presents a concert band performance featuring Cosmopolitan Concert Band. Students' Union Theatre. Tickets available from Society members or telephone 476-9207, and at the door.

#### Espace Tournesol

27, 28 October 8:30 p.m. Performance of a Classic Indian Dance "Bharata Natyam" by Madhurika. Admission \$3.50. For reservations telephone 471-5235.  
24 October, Tuesday. 8 p.m. "Eurhythmeum Stuttgart," accompanied by the Romanian State Orchestra. Directed by Else Klink. Southern Alberta Jubilee Auditorium, Calgary. Special charter buses and car-pools are being arranged for Edmonton ticket-holders. For more information telephone 489-0919 (Edmonton); 246-9494 (Calgary).

#### South Side Folk Club

28 October, Saturday. 8 p.m. The South Side Folk Club Concert will feature Jon Bartlett and Rikka Rubesaat from Vancouver, B.C., with Lynn Chalifoux and The Covenant. Orange Hall, 104 Street and 84 Avenue. Tickets \$3. For information telephone 475-1042.

### THEATRE

#### Studio Theatre

To 28 October. *She Stoops to Conquer*, by Oliver Goldsmith. Directed by Michael Murdock. Corbett Hall. Tickets \$2.50 at 3-146 Fine Arts Centre, at the door, or telephone 432-2495 for information.

#### Northern Light Theatre

From 26 October. *Piaf: Her Songs, Her Loves*. Directed by Scott Swan. Art Gallery Theatre. Tickets available at Bay stores, the SU Box Office (HUB Mall), and the Northern Light Theatre Box Office.

#### Citadel Theatre

Continuing. *Harold and Maude*. Directed by Peter Coe. Shoctor Theatre. For ticket

information and show times contact the Citadel Box Office, telephone 425-1820.

#### Latitude 53 Gallery

Continuing. *The True Story of Ida Johnson*. Starring D. Gruhlke and P. Jardine. Tickets available at the door. For more information and show times telephone 429-3688.

### EXHIBITIONS

#### Provincial Museum

Continuing. "Stewart Cameron—Cartoonist," an exhibition of the work of the Alberta cartoonist.  
To 22 October. "Nova Scotia Mines and Minerals," an exhibition illustrating the twelve minerals that have been most important in Nova Scotia's industrial growth.

#### University Art Gallery and Museum

To 27 October. "Wordsand," an exhibition by Richard Kostelanetz.  
From 23 October. An exhibition of watercolors by McCulloch.

#### Students' Union Art Gallery

Continuing. "But Will It Fly?" an MVA graduate thesis presentation by Darrell Colyer. An exhibit of wood structures which reveal a strong mechanical influence.

#### Edmonton Art Gallery

Continuing. "Aspects of the Portrait," an exhibition to show various aspects of the portrait in painting and sculpture.  
Continuing. "Los Mayas," an exhibition containing 330 pieces of Mayan sculpture and artifacts.  
Continuing. An exhibition of Robert Christie's paintings.

#### Centennial Library

Continuing. "Color and Space," an exhibit of acrylic paintings by Cecile Szazkiewica. Foyer Gallery.  
Continuing. An exhibition of photographs by Howard Davidson. Photographic Gallery.

#### Graphics

To 21 October. "Pre-World War I Prints from South Central Alberta."  
From 26 October. "Editions Canada Graphics,"

#### Theatre 3

23 October, Monday. Fifth Annual Art Auction featuring specially selected works of artists from all over the world. Royal Glenora Club. Exhibit at 6 p.m., with a wine and cheese buffet at 6:30 p.m., and the auction at 7:30 p.m. Tickets \$6 at Theatre 3, telephone 426-3394.

#### Multicultural Heritage Centre

Continuing. "Salute to Alberta Authors and Publishers," an exhibition including a creative writing competition for school

children in the Parkland School Board, Young Author's Creative Writing Workshops each Saturday of the month, and special readings by several prominent Alberta authors, including Pauline Gedge, Henry Kreisel, and Marjorie Morgan, each Sunday, from 2 p.m. to 4 p.m. Complementing the exhibit will be a display of wallhangings by the Parkland Woolworkers Guild. Open from 10 a.m. to 5 p.m. Tuesday through Sunday. 5411 51 Street, Stony Plain.

#### Special Collections

Continuing. "Georg Kaiser, 1878-1945: Centenary Exhibition." First editions, letters and documents of the major German playwright. 037 Cameron Library.

### FILMS

#### Student Cinema

21, 22 October. 7 p.m. and 9:30 p.m. *Come* (United States, 1978).  
27, 28 October. 7 p.m. and 9:30 p.m. *The Last Waltz* (United States, 1978).  
27, 28 October. 12 midnight. *The Kentucky Fried Movie* (United States, 1977). Students' Union Theatre. Tickets available at the SU Box Office (HUB Mall), and at the door.

#### German Film

19 October, Thursday. 7:30 p.m. *Der Schinderhannes*. 17 Arts Building. Free admission.

#### Faculte Saint-Jean

20 octobre, le vendredi. 20 h. *J.A. Martin, Photographe*, un film de Jean Beaudin. A la salle 06 la Faculté Saint-Jean.

#### Cercle Universitaire de Francais

20 October, Friday. 8 p.m. *Le Mekong*, presented by Michel Eustache. 17 Arts Building. Admission is free.

#### Physics Theatre

20 October, Friday. 7 p.m. *Black Orpheus* (France/Italy/Brazil, 1958). P-126 Physics Building. Tickets \$1 at the door.

#### Citadel/National Film Theatre

20 October, Friday. 7:30 p.m. and 9:15 p.m.  
22 October, Sunday. 8 p.m. *Kohayagawa-Ke No Aki/The Autumn of the Kohayagawa Family/End of Summer* (Japan, 1961).  
25, 26 October. 7:30 p.m. and 9:30 p.m. *The Harder They Come* (Jamaica, 1972).  
27 October, Friday. 7:30 p.m. and 9:15 p.m. *I Never Promised You a Rose Garden* (United States, 1976). Zeidler Hall. For ticket information contact the Citadel Box Office, telephone 425-1820.

#### Cinematheque 16

19, 20 October. 7:30 p.m.  
22 October, Sunday. 2 p.m. *Stolen Kisses/Baisers Volés* (France, 1968).  
26, 27 October. 7:30 p.m. *Black Orpheus*

(France/Italy/Brazil, 1958). Downstairs, Edmonton Art Gallery. Admission is \$2 for members and \$2.50 for non-members. Tickets available at the door.

#### Provincial Museum

22 October, Sunday. 4 p.m. and 7 p.m. *The Innocents*, a suspense thriller. Free admission.

25 October, Wednesday. 7 p.m. *High Noon*, an Oscar winning performance by Gary Cooper. Free admission.

28 October, Saturday. 10:30 a.m. *Cold Journey*. 2 p.m. *Mr. Toad*. Free admission.

#### Edmonton Film Society

23 October, Monday. 8 p.m. *Spirit of the Beehive* (Spain, 1973). Students' Union Theatre. Tickets available at the SU Box Office (HUB Mall), Woodward's stores, by mail, and at the door.

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#### SPORTS

21 October, Saturday. 2 p.m. Football. Golden Bears versus Dinosaurs. Varsity Stadium.

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#### POINTS OF INTEREST

20, 27 October. Campus Observatory. For more information and tour reservations please telephone the Office of Community Relations 432-2325.

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#### LECTURES AND SEMINARS

##### Zoology Lecture

20 October, Friday. 4 p.m. "Cathedrals and Universities: Our Medieval Heritage," with speaker Dennis Chitty of the University of British Columbia. TI-11 Tory Building.

##### Plant Science Lecture

23 October, Monday. 1 p.m. "The Chloroplast Coupling Factor Protein," with speaker A. Horak. 490 Agriculture Building.

##### Art Lecture

23 October, Monday. 8 p.m. A talk on Cornelius Krieghoff will be given by J. Russell Harper, noted Canadian Art scholar. Edmonton Art Gallery Theatre.

##### NeWest Readings

23 October, Monday. 8 p.m. NeWest Press/Review in cooperation with the Woodcroft Branch of the Edmonton Public Library presents the third in a series of six poetry readings featuring Prairie writers. Admission is free.

##### Physics Lecture

24 October, Tuesday. 3:30 p.m. "The Arrow of Time," with speaker P.C.W. Davies of King's College, London. V120 Physics Building.



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#### NORTHROP FRYE TO LECTURE

"Reflections of a Canadian Humanist" is the theme of the 1978 Henry Marshall Tory Lecture scheduled for Tuesday, 24 October, at 8 p.m. in the Students' Union Building Theatre. Northrop Frye, this year's lecturer, is widely known as being one of Canada's foremost living scholars.

The Henry Marshall Tory Lecture is presented annually by The Friends of the University in honour of the University's first president. Admission to the lecture is free, and a question and answer period will follow the presentation.

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##### Public Lecture

25 October, Wednesday. 12 noon. "Visual Arts in Canada," with speaker Doug Haynes. Alberta College.

##### Botany Lecture

25 October, Wednesday. 4:30 p.m. "Progress in the Restoration of Eutrophic Swiss Lakes," with speaker Ferdinand Schanz of the University of Zurich. M-149 Biological Sciences Building.

##### Public Lecture

25 October, Wednesday. 7:30 p.m. "Contemporary Transformations of the Polish Society," with speaker A. Matejko. 14-6 Tory Building.

##### Family Law Lecture

25 October, Wednesday. 7:30 p.m. "Doing Your Own Divorce," the last in a series of lectures on family law. Centennial Library Music Room. Free admission.

##### Art and Design Lecture

25 October, Wednesday. 8 p.m. "Paul Kane,"

with speaker J. Russell Harper, noted Canadian Art scholar. 2-20 Fine Arts Building.

##### Canadian Studies Lecture

25 October, Wednesday. 8 p.m. "Women in Canadian Society," with speaker Margrit Eichler of the Ontario Institute for Studies in Education. 2-115 Education North.

##### Classics Seminar

26 October, Thursday. 4 p.m. "Classical Bibliography—Greek Literature," with speaker J.R. Wilson. 1-8 Humanities Centre.

##### Guild for Mediaeval and Renaissance Studies Lecture

26 October, Thursday. 8:15 p.m. "Alchemy—Principles and Practice," with speaker James A. Plambeck. 3-19 Humanities Centre.

##### Zoology Lecture

27 October, Friday. 4 p.m. "Phylogeny of the Metazoa," with speaker R.B. Clark of the University of Newcastle-upon-Tyne. 345 Agriculture Building.

##### Photography Seminar

28 October, Saturday. 8:30 a.m. to 4:30 p.m. Images Alberta Camera Club photography seminar. Convention Inn South.

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#### NON-CREDIT COURSES

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##### FACULTY OF EXTENSION

The courses listed below are offered under the auspices of the Faculty of Extension. Registrations may be made and information concerning the instructors and contents of the courses may be acquired at 228 Corbett Hall or by telephoning the number at the end of each listing.

##### Working With Disorganized Families

Beginning: 23 October. Duration: three days. Fee: \$80. Telephone: 432-5069.

##### Accounting Skills Workshop

Beginning: 24 October. Duration: three days. Fee: \$245. Telephone: 432-5067 or 432-5066.

##### Coping With Loss

Beginning: 27 October. Duration: two days. Class limit: 25. Fee: \$25. Telephone: 432-5069.

##### Computer Control and Security

Beginning: 27 October. Duration: one day. Fee: \$75. Telephone: 432-5066 or 432-5067.

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#### SURPLUS EQUIPMENT LISTING

The equipment listed below has been declared surplus. For further information about the purchase of this equipment or the disposal of any of your department's surplus equipment consult Bonnie O'Dwyer or Roy Bennett, telephone 432-3208.

Asst. Equipment—voltmeters, high vacuum valves, spectrometer, diode ion pump, etc. For further information contact D. Marsden, telephone 432-3705.

Twenty-inch band saw, table saw, Delta Rockwell universal plane. For further information contact Paul De Groot, telephone 432-3814.

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## RESEARCH GRANTS

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### University of London

#### Dame Lillian Penson Travel Grants

The Professor Dame Lillian Penson Memorial Fund has been established to provide, normally biennially, a grant or grants in aid of travel by recognized scholars in the United Kingdom who desire to pursue research in any subject in Commonwealth Universities or the University of Khartoum (which was formerly in Special Relation with the University of London); and in aid of travel by recognized scholars in such universities who wish to pursue research in the United Kingdom. Candidates should have obtained a doctorate and will be expected to be established members of a university staff.

The awarding committee has discretion to make grants in supplementation of existing grants from other sources if the completion of works of scholarship can be materially assisted thereby. The Committee has discretion to make one or more than one grant within the sum available.

Applications are invited for a Dame Lillian Penson Travel Grant or Grants for travel as described above during the year beginning September 1979. The funds available on this occasion will amount to approximately £800.00. Application forms may be obtained from the Research Grants and Contracts Office, 3-31 University Hall (telephone 432-2002), or Secretary, Central Research Fund, University of London, Senate House, London WC1E 7HU, with whom applications should be lodged not later than 1 March 1979.

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## SCHOLARSHIPS, FELLOWSHIPS, AND AWARDS

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*A special area in 252 Athabasca Hall has been set aside as an information centre on graduate scholarship competitions for study in Canada and abroad. Students may use this reference section during normal office hours.*

### Canada-Yugoslavia Exchange Scholarships

**Donor:** Canada-Yugoslavia Exchange. **Where tenable:** Yugoslavia. **Level of study:** Graduate. **Field of study:** (a) postgraduate studies (b) research in all fields. **Value:** (a) 3,300 to 3,700 dinars per month; (b) 3,500 to 4,000 dinars per month. **Number:** Three. **Duration:** ten to twelve months. **Conditions:** Candidates must be Canadian citizens and have obtained the equivalent of a first degree at a Canadian university. Preference will be given to candidates under thirty-five years of age. **Closing date:** 30 November. **Further information and application forms should be requested from:** Student Awards Office, University of Alberta, 252 Athabasca Hall, Edmonton, Alberta, T6G 2G1.

### Canada-USSR Exchange Scholarships

**Donor:** Canada-USSR Exchange. **Where tenable:** USSR. **Level of study:** Graduate. **Field of study:** Open. **Value:** 180 roubles per month. **Number:** Eleven. **Duration:** Ten months. **Conditions:** Candidates must be Canadian citizens and hold a first degree from an institution recognized by the AUCC. They should have a working knowledge of one of the USSR languages. **Closing date:** 30 November. **Further information and application forms should be requested from:** Director, International Programs, Association of Universities and Colleges of Canada, 151 Slater Street, Ottawa, Ontario, K1P 5N1.

### Canada-Poland Exchange Scholarships

**Donor:** Canada-Poland Exchange. **Where tenable:**

Poland. **Level of study:** Graduate. **Field of study:** (a) postgraduate studies; (b) research in all fields. **Value:** (a) 2,400 zlotys per month; (b) 3,400 zlotys per month. **Number:** Three. **Duration:** Ten to twelve months. **Conditions:** Candidates must be Canadian citizens and hold a first degree from a Canadian University (a PhD in category b). **Closing date:** 30 November. **Further information and application forms should be requested from:** Student Awards Office, Athabasca Hall, Edmonton, Alberta, T6G 2G1.

### Netherlands Government Fellowships

**Donor:** Netherlands Government. **Where tenable:** Netherlands. **Level of study:** Graduate. **Field of study:** (a) Fine Arts and Music (b) Social Work. **Value:** 1,200 guilders per month. **Number:** Two in both categories. **Duration:** (a) ten months (b) five months. **Conditions:** Applicants should submit a detailed study program and representations of their work. **Closing date:** 30 November. **Further information and application forms should be requested from:** Student Awards Office, University of Alberta, 252 Athabasca Hall, Edmonton, Alberta, T6G 2G1.

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## POSITIONS VACANT

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### NON-ACADEMIC POSITIONS

*To obtain further information on the following positions, please contact Personnel Services and Staff Relations, third floor, SUB, telephone 432-5201. Please do not contact the department directly. Positions available as of 5 October.*

Clerk Typist II (\$695-\$803)—Provincial Laboratory;

Educational Research Services; Political Science  
Clerk Typist II (\$695-\$803, term)—Secondary  
Education

Clerk Steno II (\$695-\$803)—Entomology; Pharmacology

Dental Assistant (\$721-\$863)—Community Dentistry  
Dental Assistant (\$721-\$863, term)—Community  
Dentistry

Senior Clerk (\$748-\$895)—Office of the Registrar

Clerk Typist III (\$748-\$895)—Personnel Services and  
Staff Relations; Library Science

Clerk Steno III (\$772-\$929)—Mineral Engineering  
Data Entry Operator I/II (\$772-\$1,009)—Printing  
Services

Library Assistant I (\$803-\$969)—Sociology

Medical Stenographer (\$803-\$1,009)—Surgery

Accounts Clerk II (\$830-\$1,009)—Office of the  
Comptroller

Secretary (\$863-\$1,053)—Canadian Institute of  
Ukrainian Studies

Secretary (\$863-\$1,053, trust)—Riel Project  
Administrative Clerk (\$895-\$1,096)—Romance  
Languages

Departmental Secretary (\$969-\$1,192)—University

Collections; Language Laboratory

Accounts Clerk III (\$1,009-\$1,243)—Internal Audit  
Department

Library Assistant III (\$1,009-\$1,243)—Boreal Institute  
Computer Assistant I (\$695-\$830)—Computing Services  
(two positions)

Laboratory Assistant II (\$721-\$863)—Provincial  
Laboratory

Maintenance Man II (\$969-\$1,192)—Housing and Food  
Services

Cartographic Technician I/II (\$895-\$1,243)—  
Geography

Technician I/II (\$895-\$1,243)—Industrial and  
Vocational Education

Technician I/II (\$895-\$1,243, trust)—Physiology  
Electronics Technician I (\$929-\$1,143)—Technical  
Services (two positions); Housing and Food  
Services—HUB

Maintenance Man II (\$969-\$1,192)—Housing and Food  
Technician II (\$1,009-\$1,243)—Pathology

Biology Technologist I (\$1,009-\$1,243, term)—Genetics  
Draftsman II/III (\$1,053-\$1,476)—Purchasing,  
Interior Design

Machinist Technician II/III (\$1,143-\$1,611)—

Technical Services (Machine Shop)

Typographical Tradesman III/IV (\$1,192-\$1,543)—  
Printing Services

Engineering Technologist III/IV (\$1,243-\$1,759)—

Physical Plant, Engineering

Machinist Technician III (\$1,298-\$1,611)—Physics  
(two positions)

Technician IV (\$1,298-\$1,611)—Purchasing, Interior  
Design

Senior Internal Auditor (\$1,354-\$1,682)—Internal  
Audit Department

Programmer/Analyst III (\$1,415-\$1,759)—Computing  
Services

*The following is a list of currently available positions in the University of Alberta Libraries. The bulletin board in the Cameron Library, Room 512, should be consulted for further information as to availability and position requirements.*

Library Assistant II (\$895-\$1,009)—Cameron Reserve

Reading Room

Library Clerk III (\$748-\$895)—Cataloguing

Library Assistant III (\$1,009-\$1,243)—Cataloguing

### Personnel Officer

A Personnel Officer is required for the Department of Housing and Food Services. This is a new position in a large and complex student services operation employing 400 full-time and part-time staff. The incumbent will interpret and administer established university personnel policy and procedure (including a collective agreement) and act as a personnel resource to departmental management and staff, particularly in the area of training and development. There will be considerable liaison with central personnel administration in carrying out the responsibilities of this position.

Applicants should have an undergraduate degree, preferably in personnel administration, and three to five years of related experience of a progressively responsible nature. The ability to effectively relate to all levels of staff and management is essential.

Starting salary from \$17,800 commensurate with qualifications and experience. The University offers a comprehensive fringe benefits package.

Interested persons please forward a comprehensive résumé by 3 November 1978, to:

Personnel Services and Staff Relations  
3rd Floor Students' Union Building  
114 Street and 89 Avenue  
Edmonton, Alberta  
T6G 2J7

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## ADVERTISEMENTS

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*All advertisements must be received by 4:30 p.m. on the Thursday prior to publication. The cost is 15 cents per word for the first week and 5 cents per word for subsequent weeks ordered before the next deadline. Advertisements must be paid for in advance, and are accepted at the discretion of the Editor. We regret that no advertisements can be taken over the telephone. For order forms or further information, telephone 432-2325.*

### Accommodations available

For rent—large, modern, executive, two storey, four bedroom home in lovely treed area. Ten minutes from University. Available 1 January to 30 July 1979. Furnished or semi-furnished. 434-5529.  
For sale—Belgravia. Charming, four bedroom, semi

- bungalow. Located on quiet crescent. Large lot with single front drive garage. Have purchased new home and are anxious for sale. Please call Jim Hindle. Hindle Realty Ltd. 433-3101, 436-2072.
- For sale—Westbrook area. Executive two storey with golf course view. Features huge sunken living room with fireplace, main floor den or family room and formal dining room. Asking \$159,500. Call Jeanne Eid. Residence 434-5780 or business 436-5250. Spencer Real Estate Ltd.
- For sale—Country living with city conveniences! Rambling ranch style bungalow on 4.25 acres 1½ miles from city westend. Beautifully appointed throughout, using best materials. Easy access to amenities including Quesnell Freeway. Asking \$194,500. Jeanne Eid residence 434-5780 or Spencer Real Estate 436-5250.
- For sale—Executive condominium. Country gardens, secluded but convenient access to downtown and University. Five major appliances included. Features underground parking, swimming pool, sauna. Asking \$82,500. Jeanne Eid. Residence 434-5780. Business 436-5250. Spencer Real Estate.
- For sale—Doctor's residence. Wooded ravine location on Quesnell Crescent. Stylish four bedroom, split level. Featuring two fireplaces, lovely family room with sliding doors to covered patio, and spacious area for entertaining. For private showing, call Jeanne Eid residence 434-5780 or Spencer Real Estate 436-5250.
- For rent—three bedroom house. Double garage, fireplace, 3½ acres Woodbend Road. Furnished. 1 Dec. - 30 June. \$450 monthly. 403-487-9728, 403-432-5622.
- Share beautiful three bedroom apartment in Strathcona. Mature non-smoker preferred. 439-1315.
- Wanted—two non-smoking females to share completely furnished three-bedroom home. \$175 each, monthly excluding food and utilities. Ten minutes bus ride to University and downtown. Available 1 November. Susan, 452-3050, 432-3226.
- For sale—Ermineskin 15 minutes to University—four level split. Just under 2,000 square feet. Four bedroom, 2½ bathrooms, front drive, double garage, landscaped, family room, fireplace, and patio doors. Main floor laundry. Huge living room, kitchen, dining room and foyer. Anderson windows. Close to all amenities. 435-0680.
- For rent—Cute two bedroom home on two acres available 1 Nov. Completely remodelled. 45 minutes from the University. Fenced area for horses. \$350 a month. Damage deposit of \$200 required and references. For further information call Gary Thompson at 433-9411 between 18-20 October, evenings, or North Vancouver 985-7576.
- For sale—West End 1,700 square feet, three level split. 10 minutes to University via Quesnell freeway. Three car garage, large brick fireplace in sunken living room, quiet crescent, many extras. \$98,900. 483-5649. No agents.
- For sale—Duggan. Three bedroom bungalow. Finished basement (one bedroom, rumpus room, fireplace), double garage. Principals only. 435-8182.
- For sale—Allendale. Bungalow, carpeted, fireplace, three bedrooms, finished basement (rumpus room, ½ bath, two bedrooms), double heated garage. Principals only. 435-8182.
- Under \$60,000—71.16 m<sup>2</sup> starter bungalow featuring three bedrooms, 1½ baths, and enclosed porch. R-4 zoning. Present revenue \$390 monthly. Situated on 87 Avenue and 100 Street. Please call Pat Poscente at 467-5511 or res. 467-8413. Graham Realty.
- For sale by owner—Quality older home south Windsor Park 8315 120 Street. Over 1,400 square feet. Open fireplace, large living-room, four bedrooms, basement finished, landscaped, attached garage, other extras. 433-3057.
- Large lakeside recreational lots, quiet in bird sanctuary on historic Driedmeat Lake. Easy 90 minute drive to campus, fishing and views, gas and power. \$11-12,000. Phone agent 423-1464 (24 hrs.)
- For rent—New three bedroom home. Ottewell. Carpets, appliances. Handy to schools, buses, stores, 15 minutes to University. \$495 monthly. 432-4957 days, 435-8164 evenings.
- For rent—1 Nov. south west, luxurious two bedroom top floor suite, balcony, and sauna, five appliances. \$425. Call 436-8509 after 5 p.m.
- For rent—deluxe two bedroom apartment in south west. Luxurious carpeting. Five appliances, sauna, balcony, \$400. Immediate possession. 435-5619.
- For sale—Windsor Park two bedroom bungalow, finished bedroom in basement, large landscaped lot, garage. Phone for appointment 439-0443.
- Must be sold—Vendor has been transferred. Former show home; vacuum system, intercom, air conditioned, all appliances, drapes. S.W. location. \$128,500. Liz Crockford, Spencer Real Estate, 436-5250, 434-0555 res.
- Build equity in your own residence. Fireplace, two bedrooms, 1½ baths, \$58,900. Three bedrooms, Hearthstone. \$79,900. Also luxury unit in Essex House. Call Liz Crockford, Denise Rout, Spencer Real Estate. 436-5250 bus., 434-0555 res.
- For sale close to university. Four bedroom, 2065 sq. feet main floor, family room with fireplace large master bedroom including 3 piece bath. Insulated double garage. Spencer Real Estate. Liz Crockford. 436-5250, 434-0555 res. Denise Rout.
- For sale. Choose from seven new executive homes by Perry. Located on crescent in Kaskatayo. Surrounded by single family dwellings. Large bungalows, splits, two-storeys. Superior construction. Assumable mortgages. For further details contact contact Reina Proudfoot, Royal Trust. 435-4869, 436-2556.
- Room available in house with washer, dryer, fireplace, garage for one person. Rent, utilities, food. \$200/month. Twenty minute walk to university. Telephone 436-2186.
- Accommodations wanted**
- Visiting professor needs furnished housing for family of four, from mid-February through May. No pets and non-smokers. Please contact J.B. McQuitty. 432-4251.
- Young couple wish to rent winterized country cabin. Phone 436-0485.
- Automobiles and accessories**
- For sale—1963 Valiant. Excellent mechanical condition. Service records available. \$375. Phone 433-4897 after 6 p.m.
- For sale—1972 Ford Capri 2000 cc OHC. Automatic transmission. 436-2713 evenings.
- For sale—1974 Suzuki 380GT, excellent condition, 2,800 original miles, roll bars, backrest. \$895. 462-3453.
- Ideal for small car. 13 foot Trillium travel trailer with awning. Excellent condition. 484-6300 evenings.
- Goods and services**
- Experienced typist. Variety of type styles, symbols. Quality work. 435-4407; 435-5006.
- Expert typing—theses, etc. 455-0641.
- Theses, manuscripts, and publications expertly typed at a reasonable cost, using IBM Selectric correcting typewriters. Raffin and Hart Office Services. 9203N 112 Street. HUB Mall. 433-7727.
- Typing in English, French or German by experienced secretary. Telephone Frances, 433-3023.
- Drafting services for theses, papers, etc. Fast service at reasonable rates. Quality work. 462-3287.
- Typing Services—18 years' experience. 462-9375.
- Edmonton YMCA Chito-Ryu Karate Club. Phone 455-2139.
- Custom dressmaking and designing, no patterns needed. European trained. Call Jacqueline 433-4870.
- Publishers and/or Printers: A.B. Dick model 1100 platemaker. 487-3310 after 4 p.m. weekdays, or weekends.
- Aspen Languages: Salon de Conversation Française (advanced French class) and Italian for beginners. 435-4467.
- Out of print book search; old and rare bought and sold. Tom Williams, Box 4126C, Calgary.
- Interested to have yard cleaned, trees pruned, tilling. Call Jerry 439-3531.
- Aspen Books Ltd. 10808 Whyte Avenue. Wide selection of books, hardcover and paperback, reference and literature, adult and juvenile. French books for children. Special orders welcome. Phone 433-7352.
- Self Storage from \$5 per week, furniture, cars, business. 425-1723, 467-0586 evenings.
- Bicycle for sale? Single speed (whether old/rusty/both). 432-3711.
- For sale—Silver 'King' flute, model 335731. \$125. Phone JoAnn Salomons. 432-5433, 488-6219.
- Akita female pups (show and pet stock). Championship lines, ready for new homes. Parents X-rayed. Clear. Phone 1-356-3769.
- Wool for spinners. Rambouillet fleeces. \$1 per lb. 467-1127 evenings.
- Craft sale—pottery, stained glass, quilting, dolls, weaving, macramé, stuffed toys, copper, enamel, plants, silver jewelry. Demonstration of weaving. 5415 114B Street. 434-7043. Saturday 28 October from 10 a.m. to 6 p.m.
- Lynx coat, premium condition, asking \$2,000. 436-2535.
- Unused microwave oven, Hitachi MR760 retail \$729, asking \$575. Self-defrost Philco refrigerator, \$135. Muskrat coat, \$100. Phone 436-3042.
- Campus Hair Centre—8625 112 Street. 439-2423. Student specials.
- For sale—Hanging wicker basket chair. \$50. 434-1542.
- Leaving country must sell old couch \$10, new radial tires G14, oak chest, 20" Sharp coloured TV, Dual turn-table, Fisher tape deck, downhill skis, rabbit snow tires. 434-6142.
- Vacuum cleaner Kenmore canister, \$50. 436-6606.
- University professor requires housekeeping help. 4-5 hours per week. Preferably Fridays. Phone 454-8096.
- Keep-fit yoga for beginners: Starts 8 November. Classes Wednesday evenings at University. Cost-sharing basis. Registration: 7:30 p.m., 1 November and 5:45 p.m. 8 November, room 9, 14 floor, Tory Building. Limited enrollment.
- For sale—Older walnut bedroom suite, storm windows, occasional chairs, small appliances, etc. 433-3057.
- Typing—Theses, term papers, etc. Reasonable rates. 462-8355.
- For sale—Sofa double bed (hide-a-bed) one year old, \$100 or best offer. Some dishes, pots, pans: cheap. Call Frieda Schanz. 434-9290 anytime.
- For sale—Yamaha upright piano, \$2,000. Combination wardrobe/dressing table, \$25. 436-0727.
- For sale—Greenhouse clearance of house plants, reasonable prices. 10454 148 Street. 455-9807.
- Day care places available—Some places are still available in the University and Community Day Care Centre, opening in Windsor Park School on 1 November. For further information telephone Elizabeth Richards, 432-2475, 433-3782 evenings, or Anne-Marie Decore, 433-7316 evenings.
- Donations of toys, etc., are welcomed.
- For sale—Original brass rubbings from England. Halldor's Gallery. 12323 102 Avenue. 488-8672.
- Meticulous typing by former graduate student. Manuscripts, theses, essays, English or French, please telephone from 8 to 10 a.m. 433-6834.
- Forestry students selling poplar firewood \$50 cord. \$30 half cord. Delivered. Phone 432-4413 before noon.

**UNIVERSITY OF ALBERTA  
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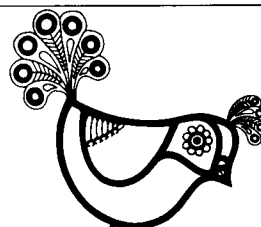
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